

Project Name: Thin Client - Virtual Desktop Infrastructure (VDI)

OCIO Project #:

Department: Department of Veterans Affairs

Revision Date:

Concept Statement

Description

Brief description of the proposed project:

CDVA is currently operating in a "Fat Client" environment for all office automation product applications. CDVA is committed to it's strategic goal of utilizing IT resource more efficiently and is proposing CDVA convert to a "Thin Client" environment.

Need Statement

High Level Functional Requirements:

Increase accessibility to work files and enterprise applications. Reduce administration and end-user support. Increase reliability (longer Mean Time Between Failure). Increase security, less risk of viruses and data theft. Improve Disaster Recovery, data is more secure and easier to backup. Lower power consumption, save on electricity and heat generation. Smaller footprint, saves space. Easier licensing management and conformance to legal requirements. Reduce capital expense on computer hardware.

What is Driving This Need?

Current state budget and staffing reductions are requiring Agencies to look at alternative way to save funds and perform the same workloads with less staff. Thin Client computing can help in both of these areas.

Risk to the Organization if This Work is Not Done:

Creates an inefficient use of IT resources, both in dollars and productivity. Thin Client requires less hardware and software, resulting in less support.

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Project Name: Thin Client - Virtual Desktop Infrastructure (VDI)

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Benefit Statement

Intangible Benefits

Process Improvements (describe the nature of the process improvement):

Reduced administration and end user support - Thin Clients are far simpler to manage since the thin client OS is deployed centrally and only includes a remote terminal client. Having a single point of administration reduces overall administration costs and saves on maintenance time. Administrators can perform upgrades, deploy patches, applications and virus updates solely on the terminal servers for thousands of users, without having to visit the individual workstations. Improves network response time.

Other Intangible Benefits:

Increased security: Less risk of viruses, Lessens risk of data theft, Disaster recovery: Data is more secure and easier to backup, Smaller footprint: Save on space.

Tangible Benefits

Revenue Generation (describe how revenue will be generated):

None

Cost Savings (describe how cost will be reduced):

Less energy consumption, potential to maintain current production environment with existing staff and reduced work hours (furlough days).

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Project Name: Thin Client - Virtual Desktop Infrastructure (VDI)

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Concept Statement

Cost Avoidance (describe the cost and how avoided):

PC purchases can be delayed, converting the old PC to a thin client unit. Less trips to remote sites to update or install software or repair PC's, reducing travel expenses. Less Microsoft OS cost and potential to easily move to Open OS. Thin client hardware uses less energy, thereby being more green. Lessens the risk of data theft, thereby reducing the cost of a potential data loss reportable incidence.


Risk Avoidance (describe the risk and how avoided):

Thin Client reduces risk of viruses and data theft. Reduces risk of being out of compliance with software licensing. Improves disaster recovery processes and reduces risk related to data security.

Improved Services:

Increase accessibility to work files and applications. Reduce administration and end-user support. Increase reliability. Lower power consumption and less heat generation (Green).

Consistency

"No" Responses 		Rationale	Action Required
Enterprise Architecture	Yes		
Business Plan	Yes		
Strategic Plan	Yes		

Impact to Other Agencies

Nature of Impact to Other Agencies

Agency:
<i>Describe the nature of the impact:</i>

Project Name: Thin Client - Virtual Desktop Infrastructure (VDI)

OCIO Project #:

Department: Department of Veterans Affairs

Revision Date:

Concept Statement

Agency:

Describe the nature of the impact:

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Project Name: Thin Client - Virtual Desktop Infrastructure (VDI)

OCIO Project #:

Department: Department of Veterans Affairs

Revision Date:

Concept Statement

Solution Alternatives

Alternative 1:

Technical Considerations for Alternative 1:

ROM Cost:

to

Note: high end of range must not exceed 200% of low end of range

Alternative 2:

Technical Considerations for Alternative 2:

ROM Cost:

to

Note: high end of range must not exceed 200% of low end of range

Alternative 3:

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Project Name: Thin Client - Virtual Desktop Infrastructure (VDI)

OCIO Project #:

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Revision Date:

Concept Statement

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Technical Considerations for Alternative 3:

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ROM Cost: to

Note: high end of range must not exceed 200% of low end of range

Recommendation

Comparison:

Alternative 1	ROM Cost	Risk
	\$0 - \$0	
Alternative 2	ROM Cost	Risk
	\$0 - \$0	
Alternative 3	ROM Cost	Risk
	\$0 - \$0	

Conclusions:

1	
2	
3	
4	

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Recommendation:

Project Approach *(if known)*

System Complexity:		System Business Hours: <i>(e.g., 24x7, 9am-5pm)</i> :		24 X 7			
Architecture	<input type="checkbox"/> Mainframe	<input checked="" type="checkbox"/> Client Server	<input type="checkbox"/> Web Based	Num. of New Databases:			
Technology	<input type="checkbox"/> New	<input type="checkbox"/> New to Staff	<input checked="" type="checkbox"/> In-House Experience	Interfaces:	Internal		
Implementation	<input checked="" type="checkbox"/> Central Site	<input checked="" type="checkbox"/> Phased Roll-out		Num. of Sites:	13		
M & O Support	<input type="checkbox"/> Contractor	<input type="checkbox"/> Data Center	<input type="checkbox"/> Project	<input checked="" type="checkbox"/> In House			
Procurement Approach: CSSI or other leveraged procurement options.				Number of Procurements: 2			
Open Procurement?		No		Delegated Procurement?		Yes	
Scope of Contract	<input type="checkbox"/> Development	<input type="checkbox"/> Implementation	<input type="checkbox"/> M & O	<input checked="" type="checkbox"/> Other:	In-house		
Anticipated Length of Contract:		Years /		extensions for		years	